

Sangak Area 2, IL

EPA Region 5 Records Ctr

05XX B000



202840



"Vandiver, Gary W"
<gwwand@solutia.com>
>

To: Nabil Fayoumi cc: Sandra Bron, "Williams, Richard S", "Yare, Bruce J"
Subject: FW: Extraction Well No 1

06/20/2003 01:45 PM

Nabil,

Following is a description of the surging/baling of extraction well EW-1. We do not believe that there will be any impact on extraction well performance as a result of this incident.

We are taking measures to monitor dust in the work area at Site R. The dust monitoring equipment (Mini-RAM) should be in place by Monday. Additionally, we are assigning Matt Foresman to Site R activities full time. He will monitor the ES&H issues and take appropriate action as needed.

Attached is the draft schedule of activities that you requested for discussion at our Tuesday afternoon conference call.

<<Overall Schedule 6-20 Rev.pdf>>

If you have questions, please let me know.

Regards,

Gary Vandiver
Solutia Inc
PO Box 66760
St. Louis, MO 63166-6760
(314) 674-6768

-- Original Message--

From: Ashley, Richard B
Sent: Thursday, June 19, 2003 2:28 PM
To: Williams, Richard S
Subject: Extraction Well No 1

Richard,

The following is a narration of events and actions that occurred during the development of EW # 1.

While surging and baling the well, the surface casing dropped nine inches. This happened during the last couple of hours of well development. The surface casing is solid pipe. It extends downward approximately 40 feet making a gravity connection with the well screen. The well screen is on bedrock. At the screen/casing connection, the casing overlaps with the screen for approximately 10 feet. Or put

another way, the screen extends about 10 feet up into the surface casing at the connection depth of 40 feet

This well produced quite a bit of fine sand. Consequently, it was surged and bailed almost twice as long as the other two wells. The continuing operation of running the surge block and bailer in and out of the well helped to loosen the surrounding soil and allowed the solid casing to break the gravity connection and drop 9 inches. The screen did not move.

The surface casing was temporarily supported by welding steel plates "ears" to the pipe and these rested on 4x4 inch wooden blocks. After the pitless adaptor was installed, the soil around the casing was excavated as part of the concrete vault installation. Additional ears (3/8 inch steel plate cut 6" x 6") were welded to the pipe below the pitless adaptor. These ears were then embedded in approximately four cubic yards of concrete that was placed around the surface casing. This created a monolithic collar around the pipe, preventing any further movement.

A photographic record was made, and the well, pitless adaptor and vault are now ready for backfilling.

Richard Ashley
Construction Manager



Sauget Sites Overall Schedule 6-20 Rev p